IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A spatial filter unit ~~(200)~~ for converting an input signal ~~(U)~~ comprising input samples, into an output signal comprising output samples, the spatial filter unit ~~(200)~~ comprising:

[[-]] ~~a~~ coefficient-determining means ~~(106)~~ for determining a first filter coefficient; and

[[-]] ~~an~~ adaptive filtering means ~~(104)~~ for computing a first one of the output samples on basis of a first one of the input samples and the first filter coefficient,

characterized in that the coefficient-determining means ~~(106) are arranged to determine~~determines the first filter coefficient on basis of a further input signal, said further input signal ~~(Y)~~ being correlated to the input signal ~~(U)~~, wherein said first input signal is a first signal type and the further input signal is a second signal type, said second signal type being different from said first signal type.

2. (Currently Amended) ~~A~~ The spatial filter unit ~~(200)~~ as claimed in claim 1, characterized in that the coefficient-determining means ~~(106) are arranged to determine~~further determines the first filter coefficient on basis of both the input signal and the further input signal.

3. (Currently Amended) ~~A~~ The spatial filter unit ~~(200)~~ as claimed in claim 1, characterized in that the adaptive filtering means ~~(104)~~ comprises computing means for computing ~~the~~ a first one of the output samples on basis of interpolation of ~~the~~ a first one of the input samples and a second one of the input samples.

4. (Cancelled).

5. (Currently Amended) ~~A~~ The spatial filter unit ~~(200)~~ as claimed in claim 41, characterized in that the first ~~quantity~~ signal type is any one of luminance, chrominance, motion, location, temperature or sound.

6. (Currently Amended) ~~A~~ The spatial filter unit ~~(200)~~ as claimed in claim 5, characterized in that the second ~~quantity~~ signal type is any one of luminance, chrominance, motion, location, temperature or sound.

7. (Currently Amended) ~~A~~ The spatial filter unit ~~(200)~~ as claimed in claim 1, characterized in that the coefficient-determining means ~~(106)~~ comprises a predetermined Look-Up-Table for translating data which is derived from the further input signal, into the first filter coefficient, the predetermined Look-Up-Table ~~being~~ containing filter coefficients obtained by ~~means of~~ a training process.

8. (Currently Amended) ~~The~~A spatial filter unit ~~(200)~~ as claimed in claim 7, characterized in that the coefficient-determining means ~~(106) is arranged to determine~~determines the first filter coefficient on basis of a number of luminance values belonging to the further input signal, and that the adaptive filtering means ~~(104) is arranged to compute the~~computes a first one of the output samples on basis of a chrominance value belonging to the input signal.

9. (Currently Amended) ~~A~~ The spatial filter unit ~~(200)~~ as claimed in claim 1, characterized in that the coefficient-determining means ~~(106) are arranged to compute~~computes the first filter coefficient by means of an optimization algorithm.

10. (Currently Amended) ~~A~~ The spatial filter unit ~~(200)~~ as claimed in claim 1, characterized in ~~being~~ that said spatial filter unit is an image scaling unit for scaling an input image, being represented by the input signal, and the further input signal into an output image being represented by the output signal.

11. (Currently Amended) ~~A~~ The spatial filter unit ~~(200)~~ as claimed in claim 1, characterized in ~~being~~ that said spatial filter unit is a noise reduction unit for converting an input image, being represented by the input signal, and the further input signal into an output image being represented by the output signal.

12. (Currently Amended) An image processing apparatus comprising:

[[-]] receiving means for receiving an input signal and a further input signal; and

[[-]] ~~a~~ the spatial filter unit as claimed in claim 1 ~~(200)~~ for converting the input signal into an output signal~~, the spatial filter unit (200) as claimed in claim 1~~.

13. (Currently Amended) ~~An~~ The image processing apparatus as claimed in claim 12, characterized in ~~further comprising~~that said image processing apparatus further comprises a display device for displaying an output image being represented by the output signal.

14. (Currently Amended) ~~An~~ The image processing apparatus as claimed in claim 13, characterized in that ~~it~~ said image processing apparatus is a TV.

15. (Currently Amended) A method of converting an input signal comprising input samples, into an output signal comprising output samples, the method comprising:

[[-]] determining, using coefficient-determining means, a first filter coefficient; and

[[-]] computing, using adaptive filtering means, a first one of the output samples on basis of a first one of the input samples and the first filter coefficient,

characterized in that said step of determining the first filter coefficient is performed on the basis of a further input signal, said further input signal being correlated to the input signal, wherein said first input signal is a first signal type and the further input signal is a second signal type, said second signal type being different from said first signal type.

16. (Currently Amended) A computer-readable medium having stored thereon a computer program product to be loaded ~~by~~ into a computer arrangement, said computer program product comprising instructions for causing the computer arrangement to convert an input signal comprising input samples, into an output signal comprising output samples, the computer arrangement comprising processing means and a memory, the computer program product, after being loaded, providing said processing means with the capability to carry out:

[[-]] determining a first filter coefficient; and

[[-]] computing a first one of the output samples on basis of a first one of the input samples and the first filter coefficient,

characterized in that the determining of the first filter coefficient is on the basis of a further input signal, said further input signal being correlated to the input signal, wherein said first input signal is a first signal type and the further input signal is a second signal type, said second signal type being different from said first signal type.